



Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
www.dnr.illinois.gov

JB Pritzker, Governor

Colleen Callahan, Director

Fox River Status Update September 13, 2019

Current Conditions

Figure 1 shows that the Fox River watershed received 2” to 4” of precipitation during the last 24 hours. Kenosha, WI received 1.8” and McHenry, IL received 2.07” of precipitation. A total of 5” to 10” of precipitation has fallen over the watershed since Tuesday morning as shown on Figure 2. These high precipitation events have resulted in sudden rise in inflows. Measured inflows on the Fox River near New Munster, WI are 2130 cfs and rising; flows on Nippersink Creek near Spring Grove are 1970 cfs and rising. The Fox Lake stage is 5.3 ft and the Stratton Dam Tailwater stage is 4.86 ft. The Fox River at the Algonquin Dam Tailwater stage is 10.4 ft.

Figure 1: Observed Precipitation for Last 1 day

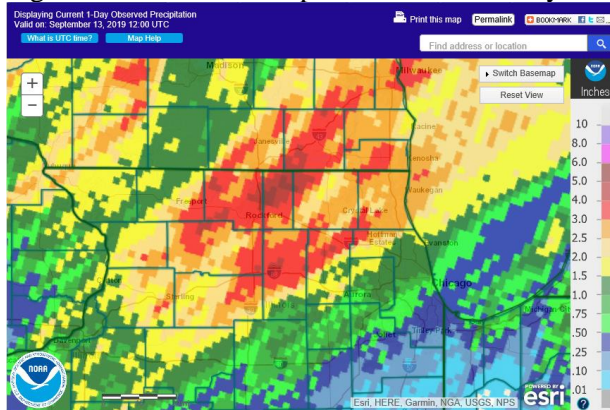
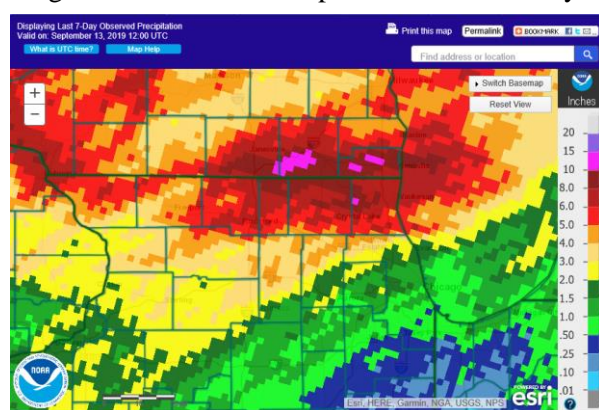


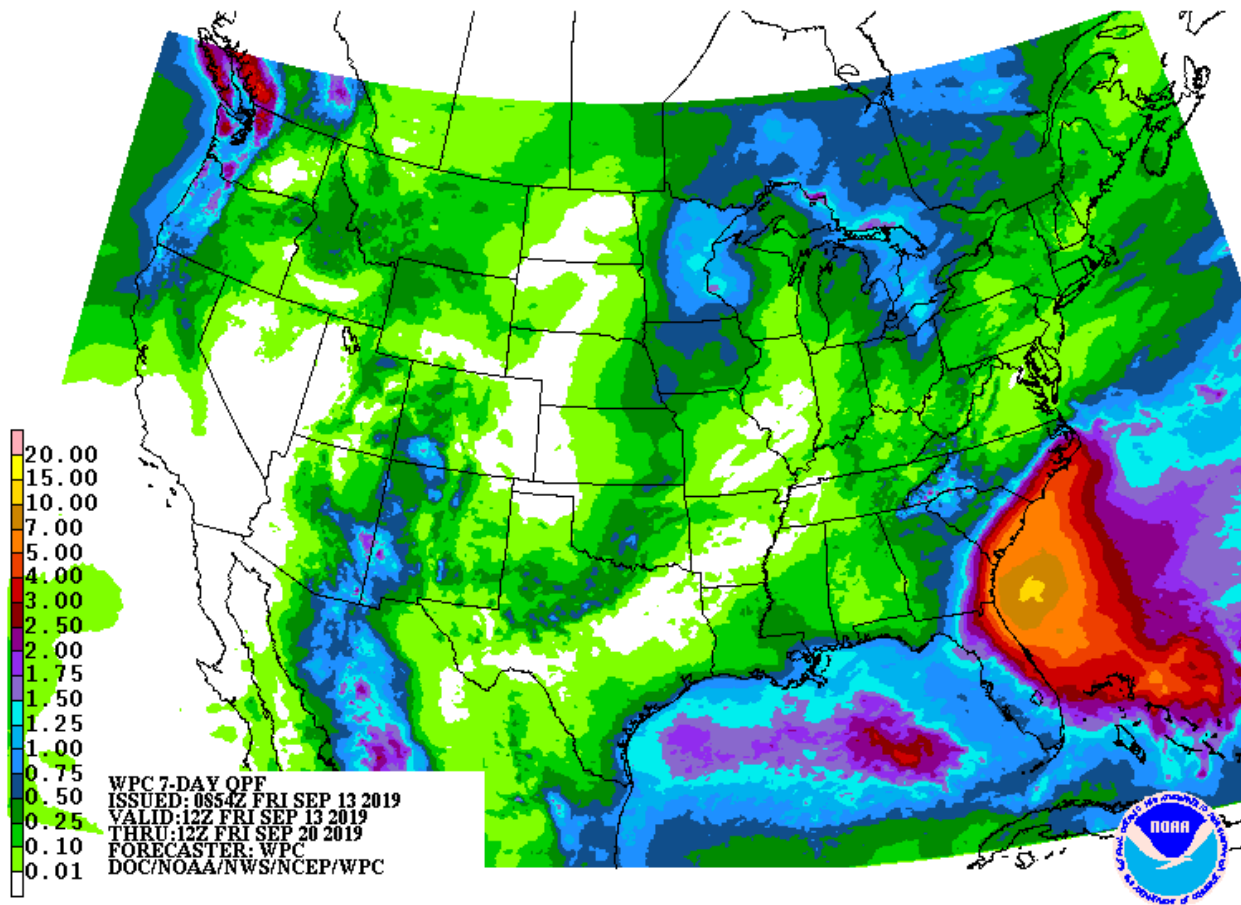
Figure 2: Observed Precipitation for Last 7 days



Forecast

The National Weather Service (NWS) is predicting very little precipitation for the next 7 days in the Fox River watershed as shown on Figure 3. The NWS is forecasting that the Fox River near New Munster, WI will crest at a stage of 12.7 ft on September 15th. The NWS is forecasting that the Fox River at Algonquin Tailwater will crest at a stage of 11.5 ft on September 16th with a flow of 5820 cfs.

Figure 3: Forecasted Precipitation for the Next 7 days



System Conditions and Operations

All sluice gates and the hinged crest gate at Stratton Dam are completely opened. The hinged crest gate at Algonquin Dam is also completely opened to pass as much flow as possible. Estimates indicate that Fox Lake may crest near 6' and Stratton Dam tailwater may crest near 6' on September 16th.

Munib Ahmad, P.E.

Office of Water Resources

Illinois Department of Natural Resources

<https://www.dnr.illinois.gov/WaterResources/Pages/StrattonLockandDam.aspx>